

'RISING CO2 LEVELS MAY DOUBLE FLOODS, STORMS'

Relevant for: Environment | Topic: Environmental Degradation - GHGs, Ozone Depletion and Climate Change

Submerged houses in Kerala, during the rains in 2019. Thulasi Kakkat

The risk of extreme floods or storms could double every 13 years at the rate carbon-dioxide concentrations are building up in the atmosphere. This could spell a "catastrophe" for India, scientists have warned in a study.

The number of intense "hydro-meteorological" disasters could increase by 5.4% annually for an "average" country facing annually nearly one "extreme disaster" (defined as one that causes 100 or more fatalities and/or affects 1,000 or more people).

India faces 5-10 times as many extreme events as the average country, the authors say. "One more extreme event in India [such as the Kerala floods of 2018 that killed at least 400] would strain the ability of the country to cope; a doubling of the numbers in 13 years, using the above estimation, would be catastrophic," authors Ramon E. Lopez, Vinod Thomas and Pablo A. Troncoso write in a note accompanying the study. The report, *Impacts of Carbon Dioxide Emissions on Global Intense Hydro-meteorological Disasters*, appears in the January issue of *Climate, Disaster and Development Journal*.

The authors relied on econometric modelling which, they say, complements the traditional approach of climate modelling to explore the factors that have contributed to the increase in the frequency of flood and storm events.

GET RARE PAGES OF JAN 26, 1950 EDITION FREE with the Hindu subscription

Already have an account ? [Sign in](#)

Find mobile-friendly version of articles from the day's newspaper in one easy-to-read list.

Enjoy reading as many articles as you wish without any limitations.

A select list of articles that match your interests and tastes.

Move smoothly between articles as our pages load instantly.

A one-stop-shop for seeing the latest updates, and managing your preferences.

We brief you on the latest and most important developments, three times a day.

*Our Digital Subscription plans do not currently include the e-paper, crossword, iPhone, iPad mobile applications and print. Our plans enhance your reading experience.

To continue enjoying The Hindu, You can turn off your ad blocker or [Subscribe to The Hindu](#).

[Sign up for a 30 day free trial.](#)

END

CrackIAS.com